

0322 #2



OIPÉ

RAW SEQUENCE LISTING

DATE: 05/03/2002

PATENT APPLICATION: US/10/004,860

TIME: 15:28:43

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6 <120> TITLE OF INVENTION: 207 Human Secreted Proteins
9 <130> FILE REFERENCE: PZ007P1
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13 <141> CURRENT FILING DATE: 2001-12-07
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163 <170> SOFTWARE: PatentIn Ver. 2.0
168 <210> SEQ ID NO: 1
169 <211> LENGTH: 733
170 <212> TYPE: DNA

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176 tctcccggac tcttgaggtc acatgcgtgg tggtaggacgt aagccacgaa gacctgagg      180
178 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg      240
179 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact      300
180 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca accccatcg      360
181 agaaaacccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc      420
182 catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct      480
183 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga      540
184 ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg      600
185 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc      660
186 acaaccacta cagcgagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc      720
187 gactctagag gat                                     733
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192 <212> TYPE: PRT
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195 <220> FEATURE:
196 <221> NAME/KEY: Site
197 <222> LOCATION: (3)
198 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino
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202   1           5
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205 <211> LENGTH: 86
206 <212> TYPE: DNA
207 <213> ORGANISM: Homo sapiens
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211 cccgaaatat ctgccatctc aattag                                     86
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231 gccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat      180
232 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt      240
233 ttttgagggc ctaggctttt gcaaaaagct t                                     271

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270 ccattctcaat tag 73
273 <210> SEQ ID NO: 10
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276 <213> ORGANISM: Homo sapiens
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280 caattagtca gcaaccatag tcccgccct aactccgcc atcccgcccc taactccgcc 120
281 cagttccgcc cattctccgc ccatggctg actaattttt tttatttatg cagaggccga 180
282 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
283 cttttgcaaa aagctt 256
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293 ctaagtccag tcacacattt cccaaagtct ctctttgtca taaccctggg ctggctgggt 120
294 ttgrggrctt gagaatgggt cagggactcc aggccaaagtc caacagagac cccaaaccca 180
295 ccacacacca gcagccacaa cctcaccacc aacaaagagg acttttgtgg ggccacaagt 240
296 aagaggtcat ttctggaatg gactcagacc tttaaacagg agagttgagc acttccagks 300
297 agtttttaag caaggcatgg ggaacagga atagaacctt tcaaagaggt tgcccagaga 360
298 aaagctgggc ctcttgcat cggcttcctt ggagcagcct cttctggcag aaagccatca 420
299 ggtgctcaat catcttctcc tggccaaggc tctgaccatg cttagtactg gaatagaggt 480
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302 taatcagaag tcagcttggt cactgttaga aagaaactaa caaaagagaa cccagagcaa      660
303 tctagaatct ttgagtgcct ggctttccaa ggatactgcg gagactctgg ccaagctgat      720
304 gamctttctga artgtcactg gcaccatagt caacaagaac caccattcac tgagtagcta      780
305 atgggttttg ggcttgggac attccatctg aggtccttcc tgaacatgtc actccacagc      840
306 agaggaccgg ttgcagctta cccagaacca ctctccagg agagctggat gttttgcgtg      900
307 caacaccttg agcactgact gctattgttc aaaaaaagcc ttgctgcat tcggaggact      960
308 gccccgtgcc ctgaggtgac ttcctaacta tgtggtttca ttagcgaatt tatttttgt      1020
309 gctgggtgga catttgtatt ttgttaggtt gctgtttaag ctcaagtttg ctgtgctctc      1080
310 tgcagctaca aaacatcttg gcatatttaa gaktggcttt tataaatagc tttattctga      1140
311 tattaatcag attcccaact ttactgagaa ttaaggactg ggttacttta aagaaatgca      1200
312 aatagcaatt gaagaaccac tgctgcaggt ggtagccctg gctagactga attacactag      1260
313 aaatcagcca gaaggaagcg tccttgggat cccagatcac tctttttttt ttttttttta      1320
314 aaaggggcag ccccttgatg gctcatctct ctgaataaca gttacgtctt catatcgata      1380
315 ccagatgcct tcttcatcat gccactgaag ccactacca ccttcaagaa catgccacc      1440
316 tctgtcagat tcacttacct acaaacaagg aggcacgttt ggcacaaagt gttgtcctcc      1500
317 aggtccaagt ggactctaca gagtgcctga cctcaacaca ctggattcca ggtggactgg      1560
318 accaagagca ggcaaagaca cgggaactga aaaactccac agggtttgga gaatagaaat      1620
319 gaaaagccac gtcataatac tcaagaataa atggtgtttt ggaaatttta aaattatcat      1680
320 cgaaggtggt gaaactatct caggcccaaa tgaaaggaaa tcgccagttg gggatgaaat      1740
321 cacagagcct gtgttttatg atatggttgg atgtccactg atgaaatttt aaaggagttt      1800
322 catttttaaa agtgcgcagt attctacata tgagaattct ttaggccaaag aaactgtcct      1860
323 tggctcagag gtgttgggaa ttaaagcaga gagaagccat tcgtgatgct tagaaccaag      1920
324 gatggtcatg tacacaaaga ccatcgagac ggccattctt gtttacaata cacttaccac      1980
325 gaaagcactt tgtaggggaa ctttagtaag ttcttctcat ttcattatgt ttcttccaag      2040
326 gaaacaggag agactgaatt aataattctc tctttcctct taagcacttt taaaataata      2100
327 aagtacatct tgaaatttgg gggggcatct ctgattttaa aaaagaaaaa ggctgcttga      2160
328 tgtatgttat gcagagacac tctgcctctg gtggctgcag agcaataccc aagcctcatt      2220
329 tggaaggctc aacatttggg attgcacttt aattgattaa tcctcaattc atgtggcctt      2280
330 acgggatggt gggctctggg cccaatttca ttcttatctg ccaaagaatt atctagaagc      2340
331 acatcaaata ccagcaccac acctgcacaa tgggggtgga aaacttttgt atccctaagc      2400
332 atattatttt atagtgtctg ccatgccatg tggaataact ttatttttaa cctcaggatt      2460
333 taaataaagt aaacactatg acatttaaaa aaaaaaaaaa aaaactcgag gggggcccgg      2520
334 taccac                                           2526
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344 <222> LOCATION: (839)
345 <223> OTHER INFORMATION: n equals a,t,g, or c
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350 aacatgtaat gaatgtagta atagtaatta ttttattttc ttttgattca gttgggacta      180
351 tgttcagctg taacagaata cccaaaataa ctgtttttaa caaattaaag tttwgttgtg      240
352 aagttttgtt acgaattcag acaatccagg gcttttatag atgcaccagg atcagcagggt      300
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:12; N Pos. 839
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Seq#:16; N Pos. 25,478,661
Seq#:17; N Pos. 507
Seq#:18; N Pos. 635
Seq#:19; N Pos. 930
Seq#:21; N Pos. 1470
Seq#:23; N Pos. 301
Seq#:24; N Pos. 834
Seq#:26; N Pos. 1022
Seq#:27; N Pos. 1892,1930,1934
Seq#:28; N Pos. 17
Seq#:29; N Pos. 110,3690,3716
Seq#:30; N Pos. 1628
Seq#:31; N Pos. 1385,1395
Seq#:32; N Pos. 24,666,682,3181,3184
Seq#:33; N Pos. 957,964
Seq#:34; N Pos. 1767,1768
Seq#:35; N Pos. 6,8,870,877
Seq#:37; N Pos. 787
Seq#:39; N Pos. 794,806,810
Seq#:40; N Pos. 69
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Seq#:43; N Pos. 1801
Seq#:45; N Pos. 976
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Seq#:50; N Pos. 1486
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Seq#:56; N Pos. 328,336,341,788
Seq#:57; N Pos. 250,1051,1052
Seq#:58; N Pos. 3,6,32,751,770,784
Seq#:59; N Pos. 345,1024,1098,1186
Seq#:60; N Pos. 410,476
Seq#:61; N Pos. 24,39,548,560,562,584
Seq#:62; N Pos. 158,159,202
Seq#:63; N Pos. 2,4,12,738,776
Seq#:64; N Pos. 565,566
Seq#:65; N Pos. 1,13,15
Seq#:66; N Pos. 262,674
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Seq#:86; N Pos. 1020,1024,1032
Seq#:87; N Pos. 805
Seq#:90; N Pos. 12,123,1522,1527
Seq#:92; N Pos. 62,126
Seq#:96; N Pos. 416,471,490,732,835
Seq#:97; N Pos. 332
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Seq#:111; N Pos. 1579,2226
Seq#:112; N Pos. 123,621,640
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Seq#:116; N Pos. 51,476,1136
Seq#:119; N Pos. 147,376,395,1101
Seq#:121; N Pos. 2605
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Seq#:127; N Pos. 495
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Seq#:249; Xaa Pos. 31
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Seq#:251; Xaa Pos. 103
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Seq#:253; Xaa Pos. 32,37
Seq#:254; Xaa Pos. 4,12,128
Seq#:255; Xaa Pos. 8,67
Seq#:256; Xaa Pos. 69
Seq#:257; Xaa Pos. 36,37,44
Seq#:258; Xaa Pos. 51
Seq#:259; Xaa Pos. 43
Seq#:260; Xaa Pos. 61
Seq#:261; Xaa Pos. 36
Seq#:262; Xaa Pos. 38
Seq#:263; Xaa Pos. 5,211
Seq#:264; Xaa Pos. 548
Seq#:266; Xaa Pos. 8,40
Seq#:267; Xaa Pos. 99
Seq#:268; Xaa Pos. 131
Seq#:269; Xaa Pos. 14,19,21
Seq#:270; Xaa Pos. 109,118,122,127
Seq#:271; Xaa Pos. 219
Seq#:272; Xaa Pos. 41,48,50
Seq#:273; Xaa Pos. 7,20,122
Seq#:274; Xaa Pos. 53,88
Seq#:275; Xaa Pos. 26
Seq#:276; Xaa Pos. 29
Seq#:277; Xaa Pos. 14,44
Seq#:278; Xaa Pos. 307,363
Seq#:279; Xaa Pos. 128
Seq#:280; Xaa Pos. 54
Seq#:282; Xaa Pos. 26
Seq#:285; Xaa Pos. 6,38,49
Seq#:286; Xaa Pos. 52
Seq#:287; Xaa Pos. 32
Seq#:288; Xaa Pos. 52,57
Seq#:289; Xaa Pos. 22
Seq#:290; Xaa Pos. 51
Seq#:292; Xaa Pos. 44,66
Seq#:293; Xaa Pos. 75,187,229,232,235,236,237,257
Seq#:294; Xaa Pos. 78,80,81,82,103
Seq#:295; Xaa Pos. 33
Seq#:296; Xaa Pos. 10,43
Seq#:297; Xaa Pos. 21

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860

DATE: 05/03/2002
TIME: 15:28:44

Input Set : N:\Crf3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:298; Xaa Pos. 70
Seq#:299; Xaa Pos. 75
Seq#:300; Xaa Pos. 33
Seq#:301; Xaa Pos. 17
Seq#:302; Xaa Pos. 17
Seq#:303; Xaa Pos. 9
Seq#:304; Xaa Pos. 12
Seq#:305; Xaa Pos. 35
Seq#:306; Xaa Pos. 15
Seq#:307; Xaa Pos. 44
Seq#:309; Xaa Pos. 34
Seq#:310; Xaa Pos. 137
Seq#:311; Xaa Pos. 14,37,58
Seq#:312; Xaa Pos. 35
Seq#:313; Xaa Pos. 90
Seq#:314; Xaa Pos. 95
Seq#:315; Xaa Pos. 44
Seq#:316; Xaa Pos. 31
Seq#:317; Xaa Pos. 69,113
Seq#:319; Xaa Pos. 35
Seq#:320; Xaa Pos. 35
Seq#:321; Xaa Pos. 82
Seq#:322; Xaa Pos. 47,70,72
Seq#:323; Xaa Pos. 10,34
Seq#:324; Xaa Pos. 111,112,115
Seq#:325; Xaa Pos. 98,99,100
Seq#:326; Xaa Pos. 36,65
Seq#:328; Xaa Pos. 36
Seq#:329; Xaa Pos. 68
Seq#:330; Xaa Pos. 105
Seq#:332; Xaa Pos. 14,39
Seq#:333; Xaa Pos. 58,72
Seq#:334; Xaa Pos. 62
Seq#:335; Xaa Pos. 286
Seq#:336; Xaa Pos. 55
Seq#:338; Xaa Pos. 120
Seq#:339; Xaa Pos. 33
Seq#:341; Xaa Pos. 18
Seq#:342; Xaa Pos. 87
Seq#:343; Xaa Pos. 538
Seq#:344; Xaa Pos. 202
Seq#:347; Xaa Pos. 48
Seq#:348; Xaa Pos. 288,334
Seq#:349; Xaa Pos. 4,193,200
Seq#:350; Xaa Pos. 24
Seq#:351; Xaa Pos. 85,131,143
Seq#:352; Xaa Pos. 95
Seq#:353; Xaa Pos. 38
Seq#:354; Xaa Pos. 39

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860DATE: 05/03/2002
TIME: 15:28:44Input Set : N:\Cr3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:355; Xaa Pos. 35,71
Seq#:357; Xaa Pos. 50,53,59,60,61,64,65,90
Seq#:358; Xaa Pos. 41
Seq#:359; Xaa Pos. 56
Seq#:360; Xaa Pos. 4,222
Seq#:361; Xaa Pos. 64
Seq#:362; Xaa Pos. 111,124,125,135,144,154
Seq#:363; Xaa Pos. 17
Seq#:364; Xaa Pos. 10
Seq#:365; Xaa Pos. 14
Seq#:366; Xaa Pos. 5,6,7,10,18
Seq#:367; Xaa Pos. 62
Seq#:368; Xaa Pos. 33
Seq#:369; Xaa Pos. 79
Seq#:370; Xaa Pos. 35
Seq#:371; Xaa Pos. 22
Seq#:372; Xaa Pos. 82
Seq#:373; Xaa Pos. 7,42,43
Seq#:374; Xaa Pos. 4,7,20,25,28,31
Seq#:375; Xaa Pos. 32,57
Seq#:376; Xaa Pos. 14
Seq#:378; Xaa Pos. 45
Seq#:379; Xaa Pos. 15
Seq#:380; Xaa Pos. 34
Seq#:381; Xaa Pos. 14,62
Seq#:382; Xaa Pos. 207
Seq#:383; Xaa Pos. 20,23,31
Seq#:384; Xaa Pos. 43
Seq#:385; Xaa Pos. 255
Seq#:386; Xaa Pos. 2,20
Seq#:387; Xaa Pos. 6,64
Seq#:388; Xaa Pos. 40
Seq#:389; Xaa Pos. 35
Seq#:390; Xaa Pos. 11
Seq#:391; Xaa Pos. 64
Seq#:392; Xaa Pos. 19
Seq#:394; Xaa Pos. 17
Seq#:395; Xaa Pos. 84
Seq#:396; Xaa Pos. 19,21
Seq#:397; Xaa Pos. 29
Seq#:398; Xaa Pos. 34
Seq#:399; Xaa Pos. 47
Seq#:400; Xaa Pos. 21,25
Seq#:401; Xaa Pos. 68
Seq#:403; Xaa Pos. 15
Seq#:405; Xaa Pos. 68,72,83,103,110,121,123,126,134,154
Seq#:408; Xaa Pos. 447
Seq#:410; Xaa Pos. 24
Seq#:411; Xaa Pos. 35

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860DATE: 05/03/2002
TIME: 15:28:44Input Set : N:\Crif3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:413; Xaa Pos. 25
Seq#:414; Xaa Pos. 79
Seq#:415; Xaa Pos. 20,28
Seq#:416; Xaa Pos. 100
Seq#:417; Xaa Pos. 144,263
Seq#:418; Xaa Pos. 33
Seq#:419; Xaa Pos. 53,80
Seq#:420; Xaa Pos. 82,83,95
Seq#:423; Xaa Pos. 29,31
Seq#:424; Xaa Pos. 179
Seq#:429; Xaa Pos. 61,105,117,219
Seq#:430; Xaa Pos. 51
Seq#:431; Xaa Pos. 27,50
Seq#:432; Xaa Pos. 33,39,55,70
Seq#:433; Xaa Pos. 40
Seq#:435; Xaa Pos. 38
Seq#:436; Xaa Pos. 35
Seq#:437; Xaa Pos. 32
Seq#:438; Xaa Pos. 127
Seq#:439; Xaa Pos. 10,69
Seq#:440; Xaa Pos. 92
Seq#:441; Xaa Pos. 264,296,380
Seq#:442; Xaa Pos. 17,21,23,24
Seq#:443; Xaa Pos. 33,47
Seq#:445; Xaa Pos. 144
Seq#:446; Xaa Pos. 37
Seq#:447; Xaa Pos. 31,37
Seq#:448; Xaa Pos. 47,192
Seq#:449; Xaa Pos. 31
Seq#:450; Xaa Pos. 44,46,77,78,101
Seq#:451; Xaa Pos. 37
Seq#:452; Xaa Pos. 42
Seq#:454; Xaa Pos. 25
Seq#:456; Xaa Pos. 42
Seq#:457; Xaa Pos. 15,66
Seq#:459; Xaa Pos. 31
Seq#:460; Xaa Pos. 57
Seq#:461; Xaa Pos. 338,416
Seq#:462; Xaa Pos. 56
Seq#:463; Xaa Pos. 80,93,206
Seq#:464; Xaa Pos. 38
Seq#:465; Xaa Pos. 136
Seq#:466; Xaa Pos. 17,18,25,50
Seq#:467; Xaa Pos. 27,49,71
Seq#:468; Xaa Pos. 59
Seq#:469; Xaa Pos. 27,34,35,37,38,46,59
Seq#:470; Xaa Pos. 17,62
Seq#:471; Xaa Pos. 103,302,305,316
Seq#:472; Xaa Pos. 24

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860DATE: 05/03/2002
TIME: 15:28:44Input Set : N:\Crf3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:473; Xaa Pos. 10
Seq#:474; Xaa Pos. 36,44,85
Seq#:475; Xaa Pos. 26
Seq#:476; Xaa Pos. 34
Seq#:477; Xaa Pos. 151,172
Seq#:478; Xaa Pos. 8,27,61
Seq#:479; Xaa Pos. 3
Seq#:480; Xaa Pos. 11,35,38,96
Seq#:481; Xaa Pos. 159,171
Seq#:482; Xaa Pos. 111,575
Seq#:483; Xaa Pos. 29,31,43,92
Seq#:484; Xaa Pos. 13,14
Seq#:485; Xaa Pos. 54
Seq#:486; Xaa Pos. 7,11,16,22
Seq#:490; Xaa Pos. 9
Seq#:491; Xaa Pos. 5
Seq#:492; Xaa Pos. 87,95
Seq#:494; Xaa Pos. 37,45
Seq#:504; Xaa Pos. 39,40,112
Seq#:505; Xaa Pos. 65
Seq#:506; Xaa Pos. 39,40
Seq#:508; Xaa Pos. 17
Seq#:514; Xaa Pos. 18
Seq#:520; Xaa Pos. 4
Seq#:521; Xaa Pos. 4
Seq#:545; Xaa Pos. 10,17
Seq#:547; Xaa Pos. 8,34,38
Seq#:548; Xaa Pos. 8,34,38
Seq#:551; Xaa Pos. 16,17,20,24,36,43
Seq#:552; Xaa Pos. 31
Seq#:553; Xaa Pos. 68,124,211
Seq#:554; Xaa Pos. 35
Seq#:558; Xaa Pos. 320,334,337,339,341,345,350,352,355,360
Seq#:563; Xaa Pos. 36
Seq#:573; Xaa Pos. 409
Seq#:579; Xaa Pos. 19
Seq#:587; Xaa Pos. 23,35
Seq#:588; Xaa Pos. 25,40,42,174,186
Seq#:589; Xaa Pos. 44,81,125,142
Seq#:613; Xaa Pos. 35,71
Seq#:615; Xaa Pos. 43,155
Seq#:621; Xaa Pos. 30,31,34,37
Seq#:627; Xaa Pos. 77
Seq#:629; Xaa Pos. 22
Seq#:633; Xaa Pos. 56,57,60,83,84,165
Seq#:635; Xaa Pos. 77
Seq#:637; Xaa Pos. 7
Seq#:639; Xaa Pos. 15
Seq#:644; Xaa Pos. 105,115

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860DATE: 05/03/2002
TIME: 15:28:44Input Set : N:\Cr3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:647; Xaa Pos. 8,13
Seq#:652; Xaa Pos. 131,145
Seq#:659; Xaa Pos. 10
Seq#:667; Xaa Pos. 105
Seq#:672; Xaa Pos. 8,145
Seq#:677; Xaa Pos. 87
Seq#:688; Xaa Pos. 12
Seq#:689; Xaa Pos. 61
Seq#:690; Xaa Pos. 56
Seq#:699; Xaa Pos. 83
Seq#:703; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,37,38
Seq#:711; Xaa Pos. 29
Seq#:713; Xaa Pos. 76,80,90,98,113
Seq#:718; N Pos. 24
Seq#:728; Xaa Pos. 8
Seq#:729; Xaa Pos. 46,50
Seq#:730; Xaa Pos. 34,38
Seq#:733; Xaa Pos. 127
Seq#:736; Xaa Pos. 48
Seq#:758; Xaa Pos. 26
Seq#:762; Xaa Pos. 67,86
Seq#:767; Xaa Pos. 17
Seq#:769; Xaa Pos. 46
Seq#:770; Xaa Pos. 27,38
Seq#:780; Xaa Pos. 45,46,47
Seq#:781; Xaa Pos. 34,66,79
Seq#:784; Xaa Pos. 90
Seq#:787; Xaa Pos. 43,60
Seq#:788; Xaa Pos. 41,97,103
Seq#:790; Xaa Pos. 8
Seq#:791; Xaa Pos. 7
Seq#:792; Xaa Pos. 2,24,45,46
Seq#:793; Xaa Pos. 53
Seq#:808; Xaa Pos. 48,55
Seq#:809; Xaa Pos. 5
Seq#:811; Xaa Pos. 72
Seq#:812; Xaa Pos. 16,38
Seq#:815; Xaa Pos. 72,111,127,149
Seq#:817; Xaa Pos. 12,28,50
Seq#:878; Xaa Pos. 197
Seq#:879; Xaa Pos. 178
Seq#:904; Xaa Pos. 16,27,65
Seq#:905; Xaa Pos. 7
Seq#:907; Xaa Pos. 4
Seq#:938; Xaa Pos. 21
Seq#:940; Xaa Pos. 124
Seq#:941; Xaa Pos. 47
Seq#:944; Xaa Pos. 124,178
Seq#:945; Xaa Pos. 10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860

DATE: 05/03/2002
TIME: 15:28:44

Input Set : N:\Cr3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:958; Xaa Pos. 10
Seq#:959; Xaa Pos. 10
Seq#:965; Xaa Pos. 25,26,90,94,105,120
Seq#:966; Xaa Pos. 25,26
Seq#:968; Xaa Pos. 11,15,26,41
Seq#:971; Xaa Pos. 2,3,4
Seq#:975; Xaa Pos. 37
Seq#:977; Xaa Pos. 14
Seq#:978; Xaa Pos. 29
Seq#:999; Xaa Pos. 19,62
Seq#:1002; Xaa Pos. 19
Seq#:1003; Xaa Pos. 33
Seq#:1007; Xaa Pos. 20,63
Seq#:1008; Xaa Pos. 259,312
Seq#:1010; Xaa Pos. 135
Seq#:1011; Xaa Pos. 65,118
Seq#:1012; Xaa Pos. 15,258
Seq#:1015; Xaa Pos. 42
Seq#:1017; Xaa Pos. 34,46,47,65
Seq#:1036; Xaa Pos. 189
Seq#:1039; Xaa Pos. 63
Seq#:1041; Xaa Pos. 96,97,98,99,100,101,102,103,104,105,106,107,108,109,110
Seq#:1041; Xaa Pos. 111,112,130
Seq#:1043; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,46
Seq#:1056; Xaa Pos. 130
Seq#:1058; Xaa Pos. 42
Seq#:1059; Xaa Pos. 130
Seq#:1060; Xaa Pos. 112
Seq#:1079; Xaa Pos. 152,314,359
Seq#:1081; Xaa Pos. 42
Seq#:1082; Xaa Pos. 75
Seq#:1083; Xaa Pos. 8
Seq#:1084; Xaa Pos. 10
Seq#:1085; Xaa Pos. 64
Seq#:1088; Xaa Pos. 94
Seq#:1092; Xaa Pos. 73
Seq#:1094; Xaa Pos. 83,136
Seq#:1097; Xaa Pos. 11,28,67
Seq#:1103; Xaa Pos. 112,231
Seq#:1108; Xaa Pos. 25
Seq#:1109; Xaa Pos. 53
Seq#:1112; Xaa Pos. 28
Seq#:1115; Xaa Pos. 16,24
Seq#:1116; Xaa Pos. 11,15,35,36,39,40,45,91,255,256,257,258
Seq#:1117; Xaa Pos. 52,164,209,210,211
Seq#:1118; Xaa Pos. 151,197,198,202,203,206,207,227
Seq#:1135; Xaa Pos. 50
Seq#:1136; Xaa Pos. 16
Seq#:1152; Xaa Pos. 21,22

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/004,860

DATE: 05/03/2002
TIME: 15:28:44

Input Set : N:\Crf3\RULE60\10004860.raw
Output Set: N:\CRF3\05032002\J004860.raw

Seq#:1159; Xaa Pos. 103,153
Seq#:1161; Xaa Pos. 22
Seq#:1162; Xaa Pos. 109,159
Seq#:1169; Xaa Pos. 22,34,102
Seq#:1170; Xaa Pos. 22
Seq#:1171; Xaa Pos. 22
Seq#:1172; Xaa Pos. 22
Seq#:1173; Xaa Pos. 22
Seq#:1174; Xaa Pos. 22
Seq#:1180; Xaa Pos. 114,182,194
Seq#:1202; Xaa Pos. 49,50,51,52,53

VARIABLE LOCATION SUMMARY

DATE: 05/03/2002

PATENT APPLICATION: US/10/004,860

TIME: 15:28:44

Input Set : N:\Cr3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; Xaa Pos. 3
Seq#:12; N Pos. 839
Seq#:14; N Pos. 2,19,87,89,525
Seq#:16; N Pos. 25,478,661
Seq#:17; N Pos. 507
Seq#:18; N Pos. 635
Seq#:19; N Pos. 930
Seq#:21; N Pos. 1470
Seq#:23; N Pos. 301
Seq#:24; N Pos. 834
Seq#:26; N Pos. 1022
Seq#:27; N Pos. 1892,1930,1934
Seq#:28; N Pos. 17
Seq#:29; N Pos. 110,3690,3716
Seq#:30; N Pos. 1628
Seq#:31; N Pos. 1385,1395
Seq#:32; N Pos. 24,666,682,3181,3184
Seq#:33; N Pos. 957,964
Seq#:34; N Pos. 1767,1768
Seq#:35; N Pos. 6,8,870,877
Seq#:37; N Pos. 787
Seq#:39; N Pos. 794,806,810
Seq#:40; N Pos. 69
Seq#:42; N Pos. 196,226,302,596,952
Seq#:43; N Pos. 1801
Seq#:45; N Pos. 976
Seq#:48; N Pos. 593,2049
Seq#:49; N Pos. 35,570
Seq#:50; N Pos. 1486
Seq#:53; N Pos. 17,1514,1551,1556
Seq#:55; N Pos. 751,879,888,897,899,901
Seq#:56; N Pos. 328,336,341,788
Seq#:57; N Pos. 250,1051,1052
Seq#:58; N Pos. 3,6,32,751,770,784
Seq#:59; N Pos. 345,1024,1098,1186
Seq#:60; N Pos. 410,476
Seq#:61; N Pos. 24,39,548,560,562,584
Seq#:62; N Pos. 158,159,202
Seq#:63; N Pos. 2,4,12,738,776
Seq#:64; N Pos. 565,566
Seq#:65; N Pos. 1,13,15
Seq#:66; N Pos. 262,674
Seq#:67; N Pos. 668,745,1015,1088,1110,1113

VARIABLE LOCATION SUMMARY

DATE: 05/03/2002

PATENT APPLICATION: US/10/004,860

TIME: 15:28:44

Input Set : N:\Crf3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Seq#:71; N Pos. 884
Seq#:72; N Pos. 584
Seq#:74; N Pos. 20,92,886
Seq#:76; N Pos. 12,27,30,35,76
Seq#:81; N Pos. 38,41,1128,1129,1440
Seq#:82; N Pos. 1379
Seq#:86; N Pos. 1020,1024,1032
Seq#:87; N Pos. 805
Seq#:90; N Pos. 12,123,1522,1527
Seq#:92; N Pos. 62,126
Seq#:96; N Pos. 416,471,490,732,835
Seq#:97; N Pos. 332
Seq#:99; N Pos. 24,39,255
Seq#:104; N Pos. 544,774
Seq#:106; N Pos. 724
Seq#:107; N Pos. 1,6
Seq#:109; N Pos. 19,21,47,607,610
Seq#:110; N Pos. 67,2620
Seq#:111; N Pos. 1579,2226
Seq#:112; N Pos. 123,621,640
Seq#:115; N Pos. 79,2297,3679
Seq#:116; N Pos. 51,476,1136
Seq#:119; N Pos. 147,376,395,1101
Seq#:121; N Pos. 2605
Seq#:123; N Pos. 1445,1515,1520,1535
Seq#:124; N Pos. 498,499
Seq#:125; N Pos. 1286
Seq#:126; N Pos. 159,1123,1510
Seq#:127; N Pos. 495
Seq#:128; N Pos. 273,294
Seq#:129; N Pos. 1152
Seq#:130; N Pos. 2,471,472
Seq#:131; N Pos. 132,225,249,577,1933
Seq#:132; N Pos. 657,852,859,962
Seq#:134; N Pos. 349,409
Seq#:137; N Pos. 248,1004,1014
Seq#:138; N Pos. 58,118,237,661
Seq#:140; N Pos. 404
Seq#:141; N Pos. 623,626,638
Seq#:142; N Pos. 901
Seq#:143; N Pos. 268,284
Seq#:144; N Pos. 929
Seq#:145; N Pos. 265,354,1064,1081
Seq#:146; N Pos. 1126,4015
Seq#:147; N Pos. 1053
Seq#:149; N Pos. 604,842,1079,1334
Seq#:150; N Pos. 45
Seq#:151; N Pos. 73,90,128,219,255,272,2354,2364
Seq#:152; N Pos. 105,730,755,757,777

VARIABLE LOCATION SUMMARY

DATE: 05/03/2002

PATENT APPLICATION: US/10/004,860

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Input Set : N:\Crf3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Seq#:153; N Pos. 77,437
Seq#:157; N Pos. 312,1212
Seq#:158; N Pos. 44,1066
Seq#:159; N Pos. 334,505,1044,1670,1678,1683,1684
Seq#:160; N Pos. 19,62,1793,1834
Seq#:161; N Pos. 744
Seq#:163; N Pos. 720,730,736,741
Seq#:165; N Pos. 101,1670,2134,2135
Seq#:167; N Pos. 522,752
Seq#:168; N Pos. 161
Seq#:171; N Pos. 1961,1999
Seq#:175; N Pos. 44,1881
Seq#:176; N Pos. 407,408,1331
Seq#:177; N Pos. 446,470,1024
Seq#:179; N Pos. 622
Seq#:181; N Pos. 35,45,135
Seq#:185; N Pos. 1337
Seq#:190; N Pos. 144,145
Seq#:191; N Pos. 561,1414,1422,1427
Seq#:192; N Pos. 13,1324,1643
Seq#:193; N Pos. 112,147
Seq#:194; N Pos. 283,301,349,438
Seq#:197; N Pos. 675,1195
Seq#:199; N Pos. 1310,1736,1737
Seq#:204; N Pos. 31,50,132,751
Seq#:205; N Pos. 264,340
Seq#:208; N Pos. 422,847,856,872
Seq#:210; N Pos. 750
Seq#:211; N Pos. 200
Seq#:212; N Pos. 420,1017,1408,1423
Seq#:214; N Pos. 450,451,454,1485,1492
Seq#:215; N Pos. 7,9,1241,1247
Seq#:216; N Pos. 1281,1704
Seq#:222; N Pos. 241,954,961
Seq#:223; N Pos. 1351
Seq#:224; N Pos. 1,705,706,707
Seq#:226; N Pos. 773
Seq#:227; N Pos. 344
Seq#:228; N Pos. 462,469
Seq#:229; N Pos. 303,392
Seq#:230; N Pos. 1,1921,1927
Seq#:231; N Pos. 1032,1034
Seq#:232; N Pos. 438,741
Seq#:234; N Pos. 775,2080,2083
Seq#:235; N Pos. 2058,2080,2115,2132
Seq#:236; N Pos. 528,552,1133
Seq#:240; N Pos. 651,1064
Seq#:241; N Pos. 830
Seq#:242; N Pos. 2,4,16,1810,1811

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Input Set : N:\Crf3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Seq#:243; N Pos. 553,2267,2269,2271
Seq#:244; N Pos. 2459,2473,2475,2478
Seq#:245; N Pos. 133,867,1338
Seq#:246; N Pos. 651
Seq#:247; N Pos. 20,35,36,37
Seq#:248; N Pos. 776,907,1288
Seq#:249; Xaa Pos. 31
Seq#:250; Xaa Pos. 36,78,116
Seq#:251; Xaa Pos. 103
Seq#:252; Xaa Pos. 7,13,22
Seq#:253; Xaa Pos. 32,37
Seq#:254; Xaa Pos. 4,12,128
Seq#:255; Xaa Pos. 8,67
Seq#:256; Xaa Pos. 69
Seq#:257; Xaa Pos. 36,37,44
Seq#:258; Xaa Pos. 51
Seq#:259; Xaa Pos. 43
Seq#:260; Xaa Pos. 61
Seq#:261; Xaa Pos. 36
Seq#:262; Xaa Pos. 38
Seq#:263; Xaa Pos. 5,211
Seq#:264; Xaa Pos. 548
Seq#:266; Xaa Pos. 8,40
Seq#:267; Xaa Pos. 99
Seq#:268; Xaa Pos. 131
Seq#:269; Xaa Pos. 14,19,21
Seq#:270; Xaa Pos. 109,118,122,127
Seq#:271; Xaa Pos. 219
Seq#:272; Xaa Pos. 41,48,50
Seq#:273; Xaa Pos. 7,20,122
Seq#:274; Xaa Pos. 53,88
Seq#:275; Xaa Pos. 26
Seq#:276; Xaa Pos. 29
Seq#:277; Xaa Pos. 14,44
Seq#:278; Xaa Pos. 307,363
Seq#:279; Xaa Pos. 128
Seq#:280; Xaa Pos. 54
Seq#:282; Xaa Pos. 26
Seq#:285; Xaa Pos. 6,38,49
Seq#:286; Xaa Pos. 52
Seq#:287; Xaa Pos. 32
Seq#:288; Xaa Pos. 52,57
Seq#:289; Xaa Pos. 22
Seq#:290; Xaa Pos. 51
Seq#:292; Xaa Pos. 44,66
Seq#:293; Xaa Pos. 75,187,229,232,235,236,237,257
Seq#:294; Xaa Pos. 78,80,81,82,103
Seq#:295; Xaa Pos. 33
Seq#:296; Xaa Pos. 10,43

VARIABLE LOCATION SUMMARY

DATE: 05/03/2002

PATENT APPLICATION: US/10/004,860

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Input Set : N:\Crf3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Seq#:297; Xaa Pos. 21
Seq#:298; Xaa Pos. 70
Seq#:299; Xaa Pos. 75
Seq#:300; Xaa Pos. 33
Seq#:301; Xaa Pos. 17
Seq#:302; Xaa Pos. 17
Seq#:303; Xaa Pos. 9
Seq#:304; Xaa Pos. 12
Seq#:305; Xaa Pos. 35
Seq#:306; Xaa Pos. 15
Seq#:307; Xaa Pos. 44
Seq#:309; Xaa Pos. 34
Seq#:310; Xaa Pos. 137
Seq#:311; Xaa Pos. 14,37,58
Seq#:312; Xaa Pos. 35
Seq#:313; Xaa Pos. 90
Seq#:314; Xaa Pos. 95
Seq#:315; Xaa Pos. 44
Seq#:316; Xaa Pos. 31
Seq#:317; Xaa Pos. 69,113
Seq#:319; Xaa Pos. 35
Seq#:320; Xaa Pos. 35
Seq#:321; Xaa Pos. 82
Seq#:322; Xaa Pos. 47,70,72
Seq#:323; Xaa Pos. 10,34
Seq#:324; Xaa Pos. 111,112,115
Seq#:325; Xaa Pos. 98,99,100
Seq#:326; Xaa Pos. 36,65
Seq#:328; Xaa Pos. 36
Seq#:329; Xaa Pos. 68
Seq#:330; Xaa Pos. 105
Seq#:332; Xaa Pos. 14,39
Seq#:333; Xaa Pos. 58,72
Seq#:334; Xaa Pos. 62
Seq#:335; Xaa Pos. 286
Seq#:336; Xaa Pos. 55
Seq#:338; Xaa Pos. 120
Seq#:339; Xaa Pos. 33
Seq#:341; Xaa Pos. 18
Seq#:342; Xaa Pos. 87
Seq#:343; Xaa Pos. 538
Seq#:344; Xaa Pos. 202
Seq#:347; Xaa Pos. 48
Seq#:348; Xaa Pos. 288,334
Seq#:349; Xaa Pos. 4,193,200
Seq#:350; Xaa Pos. 24
Seq#:351; Xaa Pos. 85,131,143
Seq#:352; Xaa Pos. 95
Seq#:353; Xaa Pos. 38

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Seq#:354; Xaa Pos. 39
Seq#:355; Xaa Pos. 35,71
Seq#:357; Xaa Pos. 50,53,59,60,61,64,65,90
Seq#:358; Xaa Pos. 41
Seq#:359; Xaa Pos. 56
Seq#:360; Xaa Pos. 4,222
Seq#:361; Xaa Pos. 64
Seq#:362; Xaa Pos. 111,124,125,135,144,154
Seq#:363; Xaa Pos. 17
Seq#:364; Xaa Pos. 10
Seq#:365; Xaa Pos. 14
Seq#:366; Xaa Pos. 5,6,7,10,18
Seq#:367; Xaa Pos. 62
Seq#:368; Xaa Pos. 33
Seq#:369; Xaa Pos. 79
Seq#:370; Xaa Pos. 35
Seq#:371; Xaa Pos. 22
Seq#:372; Xaa Pos. 82
Seq#:373; Xaa Pos. 7,42,43
Seq#:374; Xaa Pos. 4,7,20,25,28,31
Seq#:375; Xaa Pos. 32,57
Seq#:376; Xaa Pos. 14
Seq#:378; Xaa Pos. 45
Seq#:379; Xaa Pos. 15
Seq#:380; Xaa Pos. 34
Seq#:381; Xaa Pos. 14,62
Seq#:382; Xaa Pos. 207
Seq#:383; Xaa Pos. 20,23,31
Seq#:384; Xaa Pos. 43
Seq#:385; Xaa Pos. 255
Seq#:386; Xaa Pos. 2,20
Seq#:387; Xaa Pos. 6,64
Seq#:388; Xaa Pos. 40
Seq#:389; Xaa Pos. 35
Seq#:390; Xaa Pos. 11
Seq#:391; Xaa Pos. 64
Seq#:392; Xaa Pos. 19
Seq#:394; Xaa Pos. 17
Seq#:395; Xaa Pos. 84
Seq#:396; Xaa Pos. 19,21
Seq#:397; Xaa Pos. 29
Seq#:398; Xaa Pos. 34
Seq#:399; Xaa Pos. 47
Seq#:400; Xaa Pos. 21,25
Seq#:401; Xaa Pos. 68
Seq#:403; Xaa Pos. 15
Seq#:405; Xaa Pos. 68,72,83,103,110,121,123,126,134,154
Seq#:408; Xaa Pos. 447
Seq#:410; Xaa Pos. 24

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Seq#:411; Xaa Pos. 35
Seq#:413; Xaa Pos. 25
Seq#:414; Xaa Pos. 79
Seq#:415; Xaa Pos. 20,28
Seq#:416; Xaa Pos. 100
Seq#:417; Xaa Pos. 144,263
Seq#:418; Xaa Pos. 33
Seq#:419; Xaa Pos. 53,80
Seq#:420; Xaa Pos. 82,83,95
Seq#:423; Xaa Pos. 29,31
Seq#:424; Xaa Pos. 179
Seq#:429; Xaa Pos. 61,105,117,219
Seq#:430; Xaa Pos. 51
Seq#:431; Xaa Pos. 27,50
Seq#:432; Xaa Pos. 33,39,55,70
Seq#:433; Xaa Pos. 40
Seq#:435; Xaa Pos. 38
Seq#:436; Xaa Pos. 35
Seq#:437; Xaa Pos. 32
Seq#:438; Xaa Pos. 127
Seq#:439; Xaa Pos. 10,69
Seq#:440; Xaa Pos. 92
Seq#:441; Xaa Pos. 264,296,380
Seq#:442; Xaa Pos. 17,21,23,24
Seq#:443; Xaa Pos. 33,47
Seq#:445; Xaa Pos. 144
Seq#:446; Xaa Pos. 37
Seq#:447; Xaa Pos. 31,37
Seq#:448; Xaa Pos. 47,192
Seq#:449; Xaa Pos. 31
Seq#:450; Xaa Pos. 44,46,77,78,101
Seq#:451; Xaa Pos. 37
Seq#:452; Xaa Pos. 42
Seq#:454; Xaa Pos. 25
Seq#:456; Xaa Pos. 42
Seq#:457; Xaa Pos. 15,66
Seq#:459; Xaa Pos. 31
Seq#:460; Xaa Pos. 57
Seq#:461; Xaa Pos. 338,416
Seq#:462; Xaa Pos. 56
Seq#:463; Xaa Pos. 80,93,206
Seq#:464; Xaa Pos. 38
Seq#:465; Xaa Pos. 136
Seq#:466; Xaa Pos. 17,18,25,50
Seq#:467; Xaa Pos. 27,49,71
Seq#:468; Xaa Pos. 59
Seq#:469; Xaa Pos. 27,34,35,37,38,46,59
Seq#:470; Xaa Pos. 17,62
Seq#:471; Xaa Pos. 103,302,305,316

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Output Set: N:\CRF3\05032002\J004860.raw

Seq#:472; Xaa Pos. 24
Seq#:473; Xaa Pos. 10
Seq#:474; Xaa Pos. 36,44,85
Seq#:475; Xaa Pos. 26
Seq#:476; Xaa Pos. 34
Seq#:477; Xaa Pos. 151,172
Seq#:478; Xaa Pos. 8,27,61
Seq#:479; Xaa Pos. 3
Seq#:480; Xaa Pos. 11,35,38,96
Seq#:481; Xaa Pos. 159,171
Seq#:482; Xaa Pos. 111,575
Seq#:483; Xaa Pos. 29,31,43,92
Seq#:484; Xaa Pos. 13,14
Seq#:485; Xaa Pos. 54
Seq#:486; Xaa Pos. 7,11,16,22
Seq#:490; Xaa Pos. 9
Seq#:491; Xaa Pos. 5
Seq#:492; Xaa Pos. 87,95
Seq#:494; Xaa Pos. 37,45
Seq#:504; Xaa Pos. 39,40,112
Seq#:505; Xaa Pos. 65
Seq#:506; Xaa Pos. 39,40
Seq#:508; Xaa Pos. 17
Seq#:514; Xaa Pos. 18
Seq#:520; Xaa Pos. 4
Seq#:521; Xaa Pos. 4
Seq#:545; Xaa Pos. 10,17
Seq#:547; Xaa Pos. 8,34,38
Seq#:548; Xaa Pos. 8,34,38
Seq#:551; Xaa Pos. 16,17,20,24,36,43
Seq#:552; Xaa Pos. 31
Seq#:553; Xaa Pos. 68,124,211
Seq#:554; Xaa Pos. 35
Seq#:558; Xaa Pos. 320,334,337,339,341,345,350,352,355,360
Seq#:563; Xaa Pos. 36
Seq#:573; Xaa Pos. 409
Seq#:579; Xaa Pos. 19
Seq#:587; Xaa Pos. 23,35
Seq#:588; Xaa Pos. 25,40,42,174,186
Seq#:589; Xaa Pos. 44,81,125,142
Seq#:613; Xaa Pos. 35,71
Seq#:615; Xaa Pos. 43,155
Seq#:621; Xaa Pos. 30,31,34,37
Seq#:627; Xaa Pos. 77
Seq#:629; Xaa Pos. 22
Seq#:633; Xaa Pos. 56,57,60,83,84,165
Seq#:635; Xaa Pos. 77
Seq#:637; Xaa Pos. 7
Seq#:639; Xaa Pos. 15

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Input Set : N:\Cr3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

Seq#:644; Xaa Pos. 105,115
Seq#:647; Xaa Pos. 8,13
Seq#:652; Xaa Pos. 131,145
Seq#:659; Xaa Pos. 10
Seq#:667; Xaa Pos. 105
Seq#:672; Xaa Pos. 8,145
Seq#:677; Xaa Pos. 87
Seq#:688; Xaa Pos. 12
Seq#:689; Xaa Pos. 61
Seq#:690; Xaa Pos. 56
Seq#:699; Xaa Pos. 83
Seq#:703; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,37,38
Seq#:711; Xaa Pos. 29
Seq#:713; Xaa Pos. 76,80,90,98,113
Seq#:718; N Pos. 24
Seq#:728; Xaa Pos. 8
Seq#:729; Xaa Pos. 46,50
Seq#:730; Xaa Pos. 34,38
Seq#:733; Xaa Pos. 127
Seq#:736; Xaa Pos. 48
Seq#:758; Xaa Pos. 26
Seq#:762; Xaa Pos. 67,86
Seq#:767; Xaa Pos. 17
Seq#:769; Xaa Pos. 46
Seq#:770; Xaa Pos. 27,38
Seq#:780; Xaa Pos. 45,46,47
Seq#:781; Xaa Pos. 34,66,79
Seq#:784; Xaa Pos. 90
Seq#:787; Xaa Pos. 43,60
Seq#:788; Xaa Pos. 41,97,103
Seq#:790; Xaa Pos. 8
Seq#:791; Xaa Pos. 7
Seq#:792; Xaa Pos. 2,24,45,46
Seq#:793; Xaa Pos. 53
Seq#:808; Xaa Pos. 48,55
Seq#:809; Xaa Pos. 5
Seq#:811; Xaa Pos. 72
Seq#:812; Xaa Pos. 16,38
Seq#:815; Xaa Pos. 72,111,127,149
Seq#:817; Xaa Pos. 12,28,50
Seq#:878; Xaa Pos. 197
Seq#:879; Xaa Pos. 178
Seq#:904; Xaa Pos. 16,27,65
Seq#:905; Xaa Pos. 7
Seq#:907; Xaa Pos. 4
Seq#:938; Xaa Pos. 21
Seq#:940; Xaa Pos. 124
Seq#:941; Xaa Pos. 47
Seq#:944; Xaa Pos. 124,178

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Seq#:945; Xaa Pos. 10
Seq#:958; Xaa Pos. 10
Seq#:959; Xaa Pos. 10
Seq#:965; Xaa Pos. 25,26,90,94,105,120
Seq#:966; Xaa Pos. 25,26
Seq#:968; Xaa Pos. 11,15,26,41
Seq#:971; Xaa Pos. 2,3,4
Seq#:975; Xaa Pos. 37
Seq#:977; Xaa Pos. 14
Seq#:978; Xaa Pos. 29
Seq#:999; Xaa Pos. 19,62
Seq#:1002; Xaa Pos. 19
Seq#:1003; Xaa Pos. 33
Seq#:1007; Xaa Pos. 20,63
Seq#:1008; Xaa Pos. 259,312
Seq#:1010; Xaa Pos. 135
Seq#:1011; Xaa Pos. 65,118
Seq#:1012; Xaa Pos. 15,258
Seq#:1015; Xaa Pos. 42
Seq#:1017; Xaa Pos. 34,46,47,65
Seq#:1036; Xaa Pos. 189
Seq#:1039; Xaa Pos. 63
Seq#:1041; Xaa Pos. 96,97,98,99,100,101,102,103,104,105,106,107,108,109,110
Seq#:1041; Xaa Pos. 111,112,130
Seq#:1043; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,46
Seq#:1056; Xaa Pos. 130
Seq#:1058; Xaa Pos. 42
Seq#:1059; Xaa Pos. 130
Seq#:1060; Xaa Pos. 112
Seq#:1079; Xaa Pos. 152,314,359
Seq#:1081; Xaa Pos. 42
Seq#:1082; Xaa Pos. 75
Seq#:1083; Xaa Pos. 8
Seq#:1084; Xaa Pos. 10
Seq#:1085; Xaa Pos. 64
Seq#:1088; Xaa Pos. 94
Seq#:1092; Xaa Pos. 73
Seq#:1094; Xaa Pos. 83,136
Seq#:1097; Xaa Pos. 11,28,67
Seq#:1103; Xaa Pos. 112,231
Seq#:1108; Xaa Pos. 25
Seq#:1109; Xaa Pos. 53
Seq#:1112; Xaa Pos. 28
Seq#:1115; Xaa Pos. 16,24
Seq#:1116; Xaa Pos. 11,15,35,36,39,40,45,91,255,256,257,258
Seq#:1117; Xaa Pos. 52,164,209,210,211
Seq#:1118; Xaa Pos. 151,197,198,202,203,206,207,227
Seq#:1135; Xaa Pos. 50
Seq#:1136; Xaa Pos. 16

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Output Set: N:\CRF3\05032002\J004860.raw

Seq#:1152; Xaa Pos. 21,22
Seq#:1159; Xaa Pos. 103,153
Seq#:1161; Xaa Pos. 22
Seq#:1162; Xaa Pos. 109,159
Seq#:1169; Xaa Pos. 22,34,102
Seq#:1170; Xaa Pos. 22
Seq#:1171; Xaa Pos. 22
Seq#:1172; Xaa Pos. 22
Seq#:1173; Xaa Pos. 22
Seq#:1174; Xaa Pos. 22
Seq#:1180; Xaa Pos. 114,182,194
Seq#:1202; Xaa Pos. 49,50,51,52,53

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Input Set : N:\Crif3\RULE60\10004860.raw

Output Set: N:\CRF3\05032002\J004860.raw

L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:780
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:480
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:420
L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:660
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:480
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:600
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:900
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:1440
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:300
L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:780
L:802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1020
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:1860
L:873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:1920
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:60
L:1038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:3660
L:1080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:1620
L:1122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:1380
L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:660
L:1209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:3180
L:1243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:900
L:1244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:960
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1740
L:1321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:840
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:780
L:1456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:780
L:1471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60
L:1552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:180
L:1554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300
L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:540
L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:900
L:1611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:1800
L:1667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:960
L:1766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:540
L:1791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:2040
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:540
L:1883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:1440
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:2007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:1500
L:2082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:720
L:2084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:840

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L:2085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:900
L:2120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:300
L:22064 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=656
L:22082 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=657
L:22100 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=658
L:22244 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=666
L:23299 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:711
L:23459 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=718